

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

PCT Article 18 and Rules 43 and 44

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Applicant's or agent's file reference 09850/007W01	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report Form PCT/ISA 220, as well as where applicable, Item 14, Annex
International application No. PCT/US 99/21125	International filing date (day, month, year) 14/09/1999	Earliest Priority Date (day, month, year) 15/09/1998
Applicant		

R. SANDERSON MANAGEMENT, INC. et al.

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23 (1)(b))
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing contained in the international application in written form filed together with the international application in computer readable form furnished subsequently to this Authority in written form furnished subsequently to this Authority in computer readable form
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable. See Box II3. Unity of invention is lacking (see Box I)

4. With regard to the title.

the text is approved as submitted by the applicant

the text has been established by this Authority to read as follows

5. With regard to the abstract.

the text is approved as submitted by the applicant

the text has been established, according to Rule 38.2 (b) by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure

because this figure better characterizes the invention

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None of the figures

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International Application No.

PCT/US 99/21125

A CLASSIFICATION OF SUBJECT MATTER

IPC 7	F02B 7/26	F01B3/00	F16H23/08
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F02B75/04

F01B3/10

According to International Patent Classification (IPC) or to a similar classification and/or

B FIELDS SEARCHED

Main-field documentation searched: Classification system followed by classification, sub-classifications, codes.

IPC 7 F02B F01B F16H F04B

Documentation reviewed other than main-field documentation to the extent that such documents are included in the fields searched:

Electronic database consulted during the international search: Name of data base and, where practical, search terms used:

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 121 961 A (RIVA) 8 January 1920 (1920-01-08)	1.6. 8-10. 14-16. 18.19
A	figures 1.2 page 1. line 20 - line 37 page 2. line 1 - line 55 ---	17.33. 36.39
A	FR 2 649 755 A (KITAGUCHI) 18 January 1991 (1991-01-18)	1-5.7. 10-14. 18-25. 27-36. 44-47
	figures 1.2 abstract page 10. line 21 -page 14. line 12: claims 1-21 ---	
		-/-

Further documents are listed in the continuation of box C

Patent family members are listed in annex

Special categories of cited documents

- A document concerning the general state of the art which is not considered to be of particular relevance
- E earlier document not published on or after the international filing date
- E document which may throw doubts on priority, claims or which is cited to establish the publication date of another citation or other special reason as specified
- D document referring to an oral disclosure, use, exhibition or other means
- P document published prior to the international filing date but after than the priority date claimed

- F later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- G document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- H document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- I document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

3 December 1999

14/12/1999

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US99/01115

C. Continuation: DOCUMENTS CONSIDERED TO BE RELEVANT

Category Description of document with indication where appropriate of the relevant passages

Page numbers

A	DE 345 313 C (LIEBRA) 25 July 1917 (1917-07-25)	2-5, 17, 18, 23, 25, 36, 39-41, 43-47
	figures 1, 2 claims 1, 2 page 2, line 41 - line 94 ---	
A	US 2 940 325 A (NAKESCH) 14 June 1960 (1960-06-14) figure 1 column 3, line 58 -column 6, line 70 ---	1, 7, 16, 18
A	DE 37 00 005 A (ELSBETT) 14 July 1988 (1988-07-14) figure 2 abstract column 1, line 52 -column 2, line 66 -----	1, 18-36

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Information on patent family members

International Application No.

PCT/US 99/01116

Patent document cited in search report	Publication date	Patent family members	Publication date
GB 121961 A		NONE	
FR 2649755 A	13-01-1991	JP 3233139 A DE 4019384 A US 5007385 A JP 3149319 A	17-10-1991 24-01-1991 16-04-1991 25-06-1991
DE 345813 C		NONE	
US 2940325 A	14-06-1960	NONE	
DE 3700005 A	14-07-1988	NONE	

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